

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
 Data File : VN085804.D
 Acq On : 21 Feb 2025 15:42
 Operator : JC\MD
 Sample : VN0221WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBL01

Quant Time: Feb 22 02:35:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

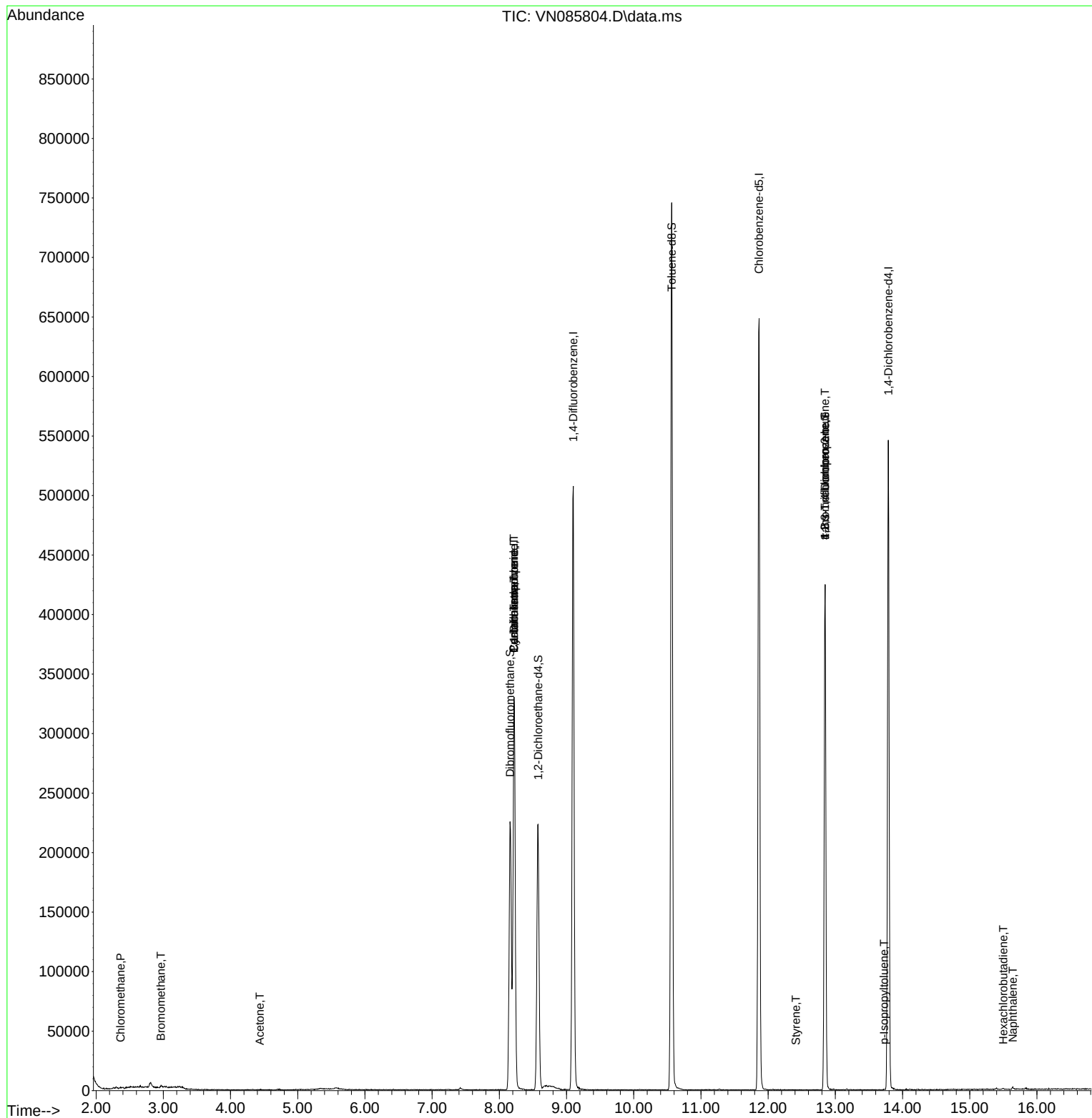
Internal Standards						
1) Pentafluorobenzene	8.218	168	239124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	440255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	393842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	186621	60.197	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.400%			
35) Dibromofluoromethane	8.159	113	164740	57.185	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.380%			
50) Toluene-d8	10.565	98	530599	50.623	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.240%			
62) 4-Bromofluorobenzene	12.847	95	152825	44.254	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.500%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	854	0.262	ug/l #	86
5) Bromomethane	2.965	94	732	0.331	ug/l	93
16) Acetone	4.436	43	290	0.296	ug/l #	40
31) Cyclohexane	8.218	56	5224	1.180	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	19843	4.867	ug/l #	49
38) Carbon Tetrachloride	8.218	117	24741	5.107	ug/l #	17
43) Isopropyl Acetate	8.683	43	2446	Below Cal	#	53
70) Styrene	12.412	104	94	0.595	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	75152	22.419	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75152	65.414	ug/l #	13
86) p-Isopropyltoluene	13.723	119	56	0.632	ug/l #	50
94) Hexachlorobutadiene	15.500	225	430	0.295	ug/l #	60
95) Naphthalene	15.641	128	1962	0.298	ug/l #	77

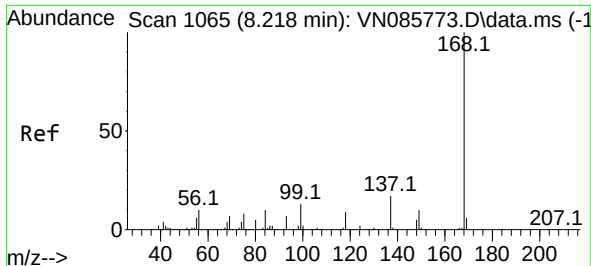
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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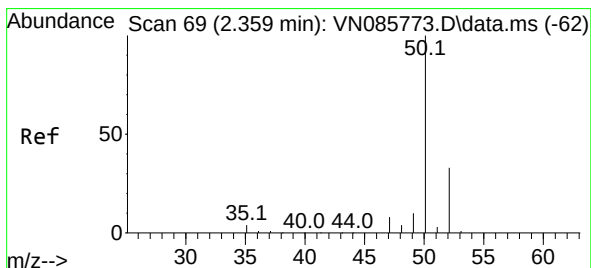
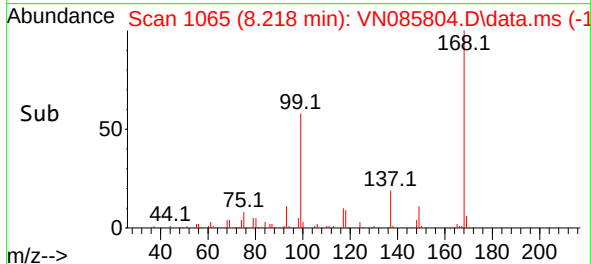
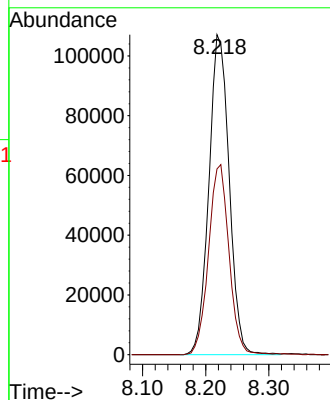
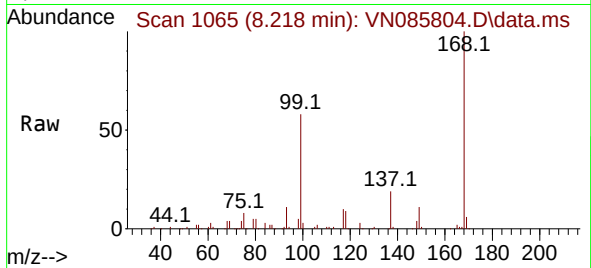




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

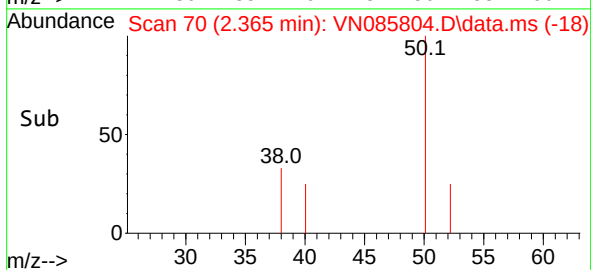
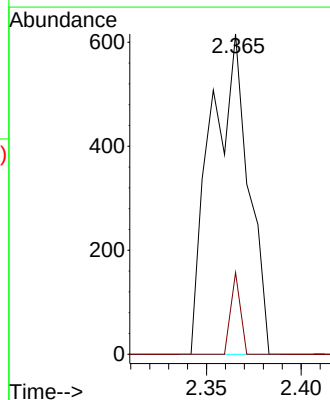
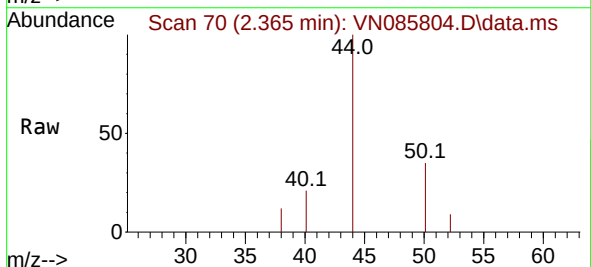
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBL01

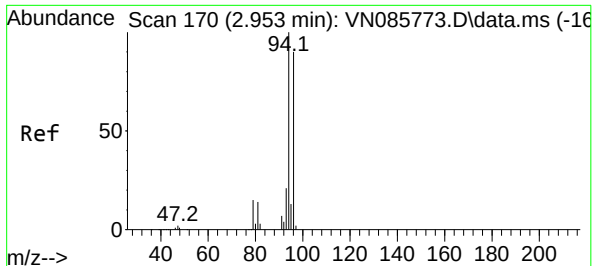
Tgt Ion:168 Resp: 239124
Ion Ratio Lower Upper
168 100
99 58.1 47.9 71.9



#3
Chloromethane
Concen: 0.262 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

Tgt Ion: 50 Resp: 854
Ion Ratio Lower Upper
50 100
52 25.5 26.7 40.1#

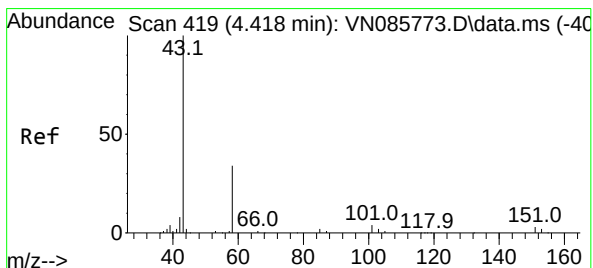
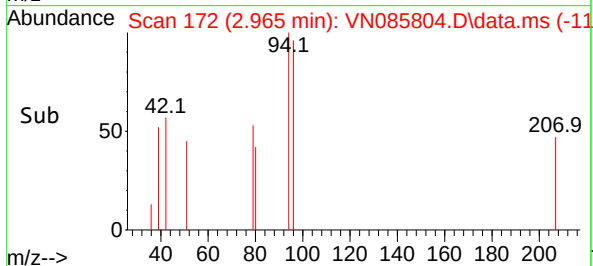
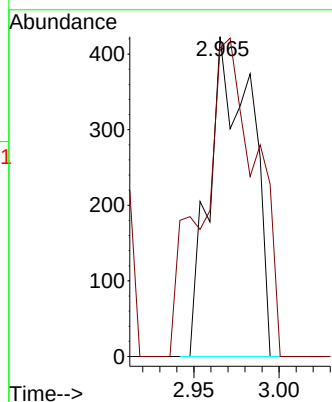
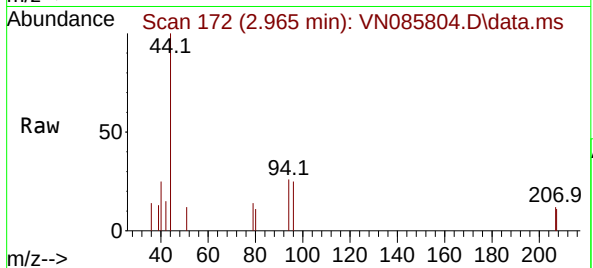




#5
Bromomethane
Concen: 0.331 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

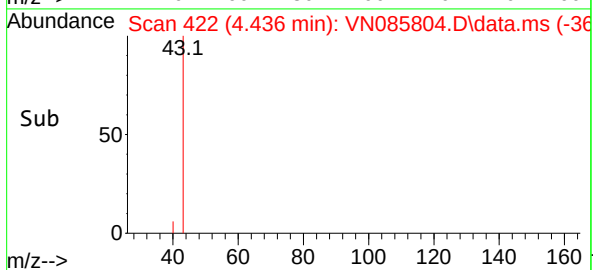
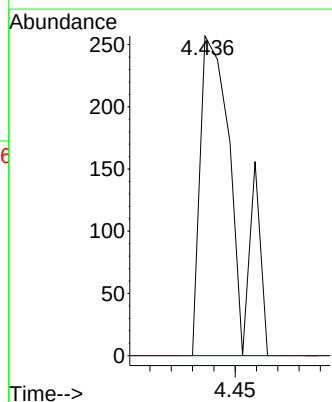
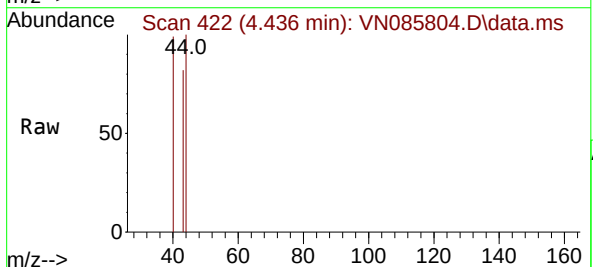
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBL01

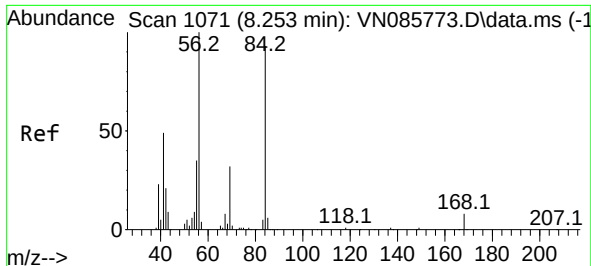
Tgt Ion: 94 Resp: 732
Ion Ratio Lower Upper
94 100
96 96.5 71.7 107.5



#16
Acetone
Concen: 0.296 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

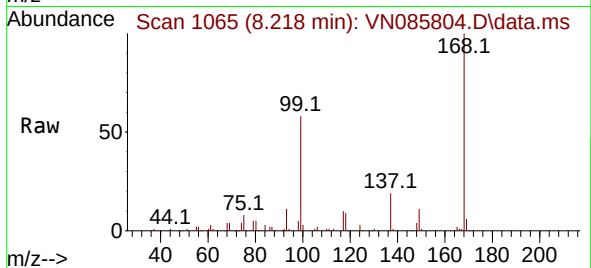
Tgt Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



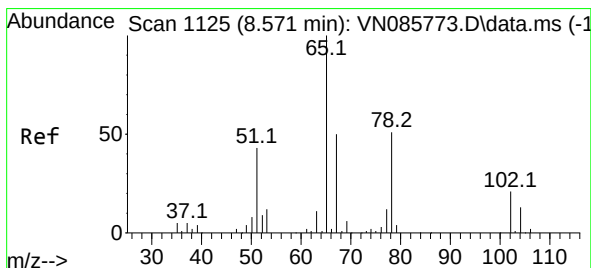
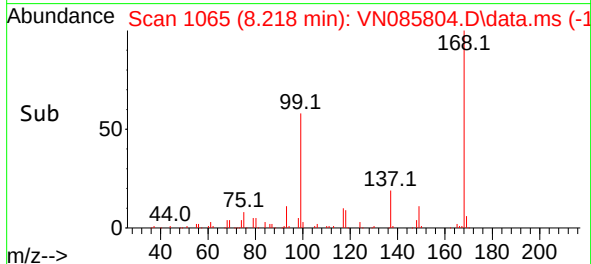
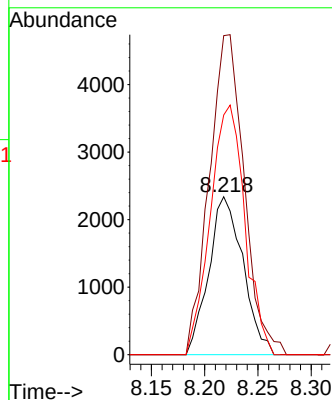


#31
Cyclohexane
Concen: 1.180 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBL01

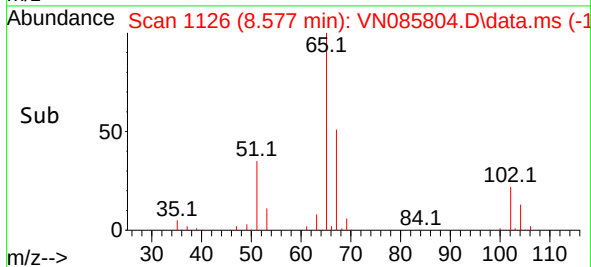
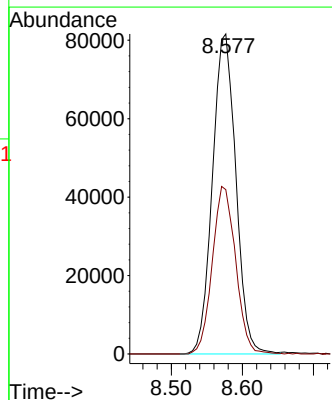
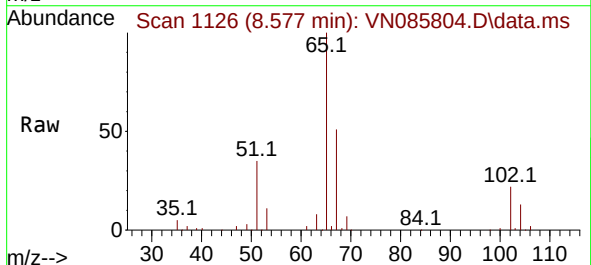


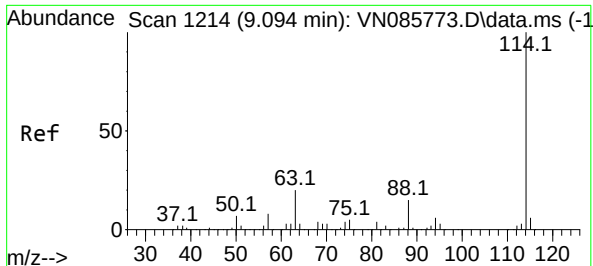
Tgt Ion: 56 Resp: 5224
Ion Ratio Lower Upper
56 100
69 202.1 25.8 38.6#
84 151.8 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 60.197 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

Tgt Ion: 65 Resp: 186621
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.2

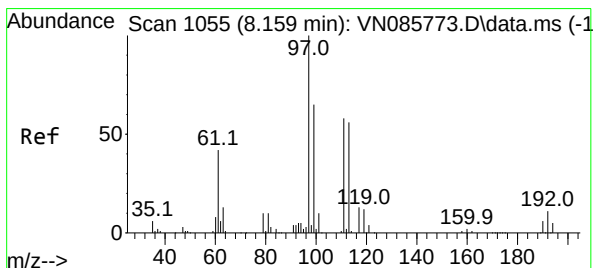
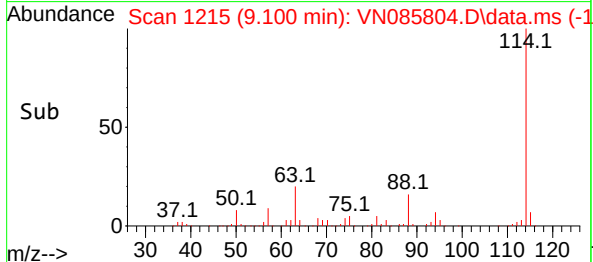
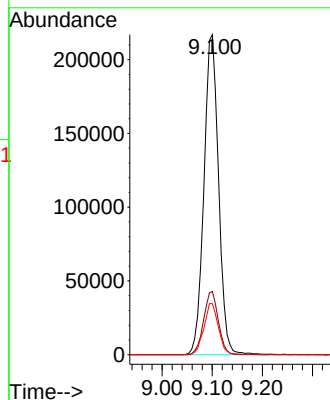
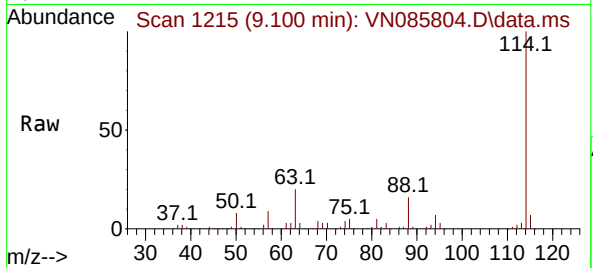




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

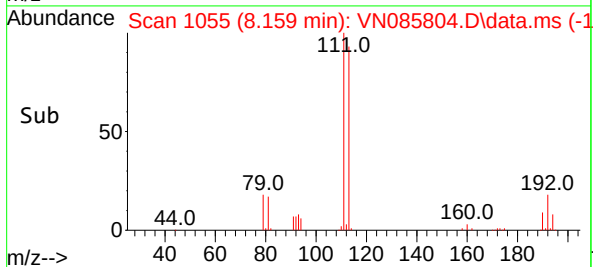
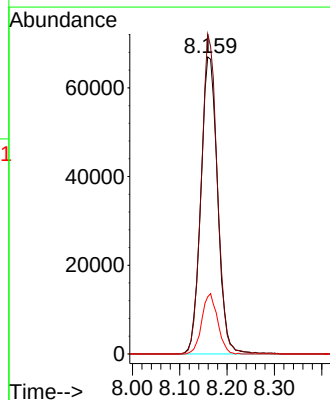
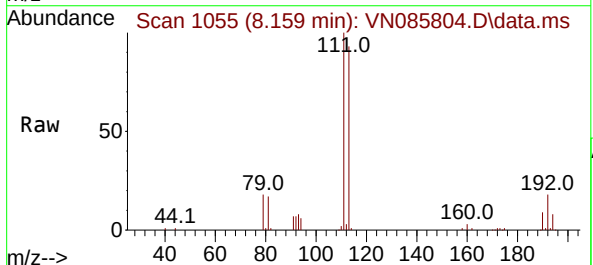
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBL01

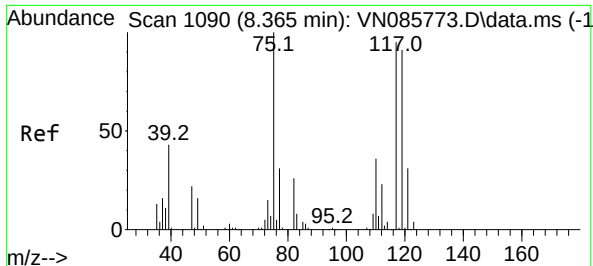
Tgt Ion:114 Resp: 440255
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.2
88 16.0 0.0 30.0



#35
Dibromofluoromethane
Concen: 57.185 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

Tgt Ion:113 Resp: 164740
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 19.1 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.867 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085804.D

Acq: 21 Feb 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBL01

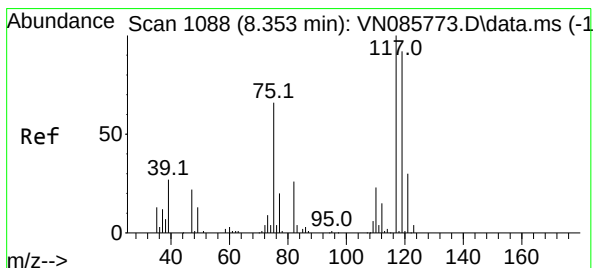
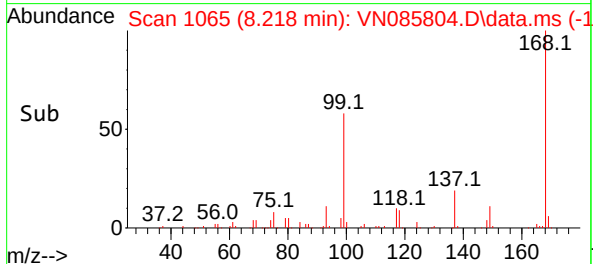
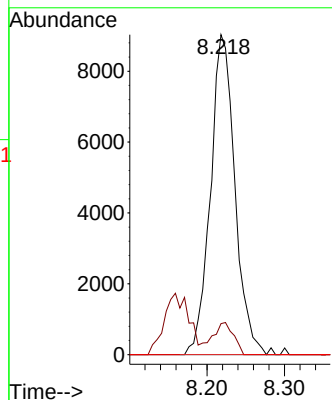
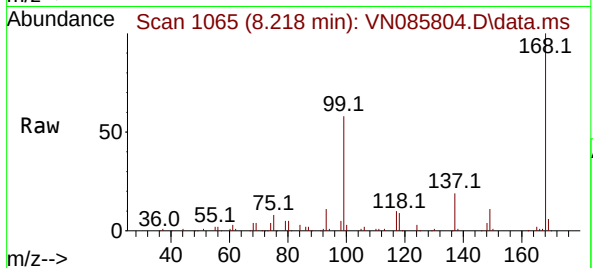
Tgt Ion: 75 Resp: 19843

Ion Ratio Lower Upper

75 100

110 8.4 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.107 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085804.D

Acq: 21 Feb 2025 15:42

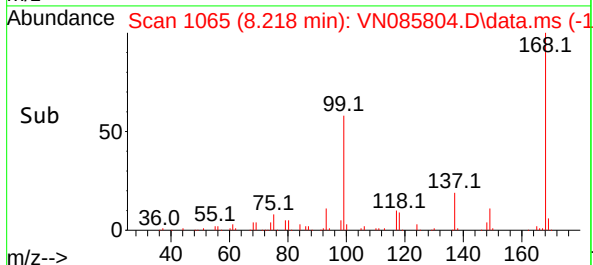
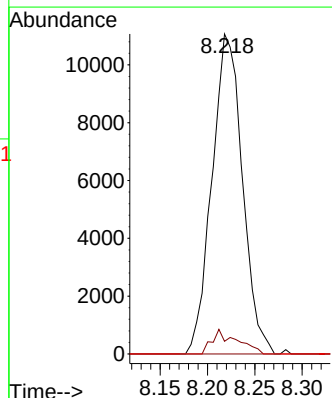
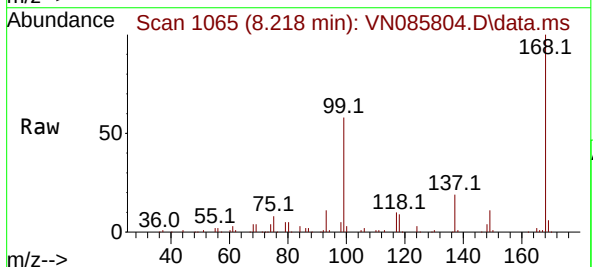
Tgt Ion: 117 Resp: 24741

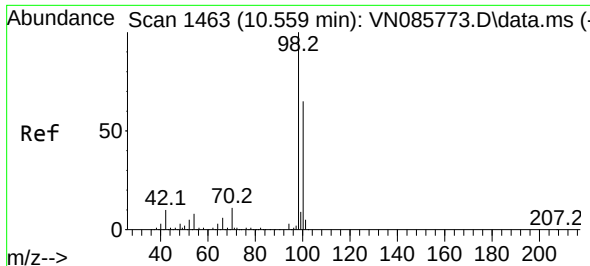
Ion Ratio Lower Upper

117 100

119 4.0 73.8 110.6#

121 0.0 24.3 36.5#

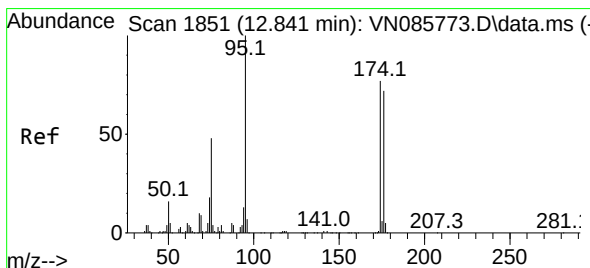
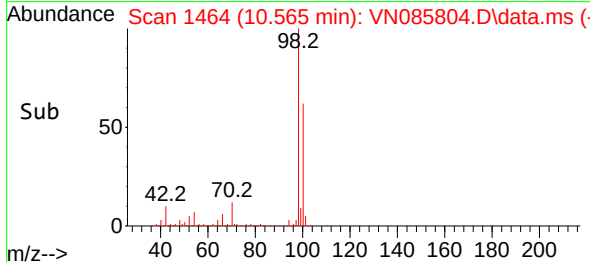
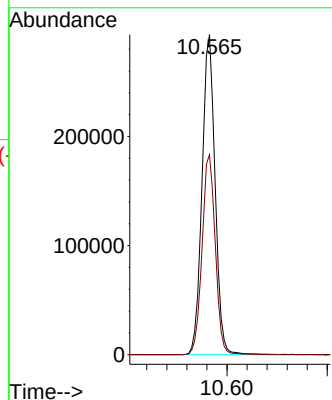
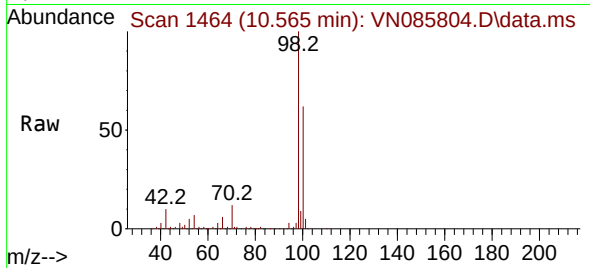




#50
Toluene-d8
Concen: 50.623 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

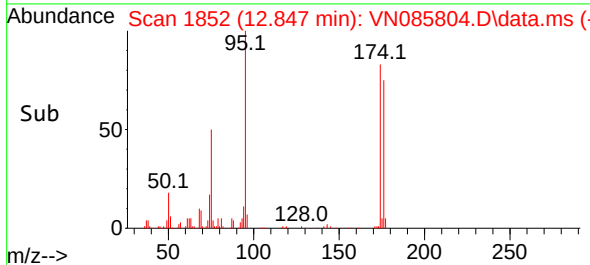
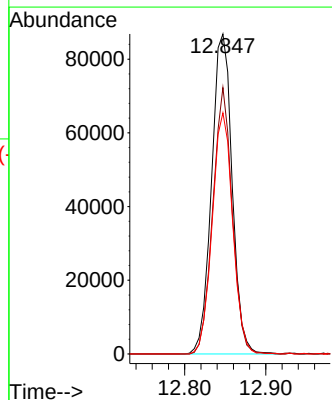
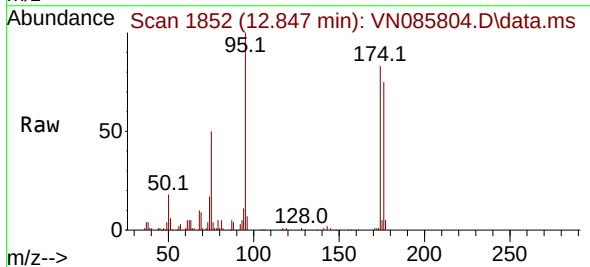
Instrument :
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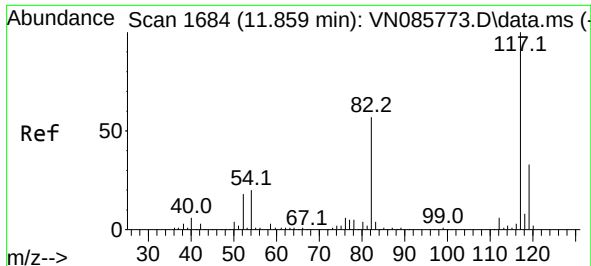
Tgt Ion: 98 Resp: 530599
Ion Ratio Lower Upper
98 100
100 63.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 44.254 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

Tgt Ion: 95 Resp: 152825
Ion Ratio Lower Upper
95 100
174 78.7 0.0 152.4
176 75.1 0.0 146.6

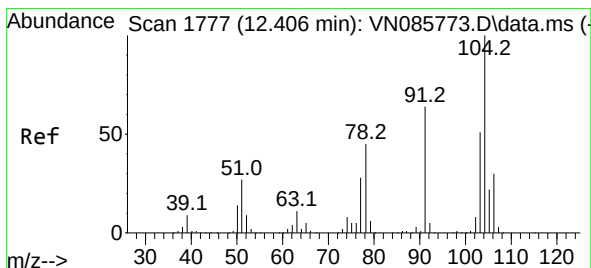
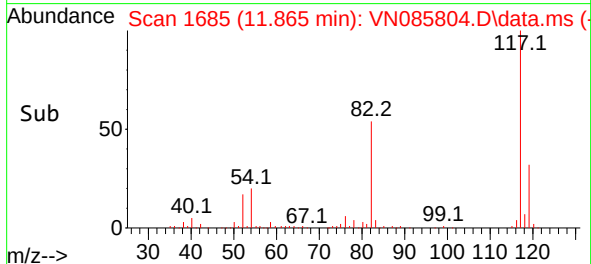
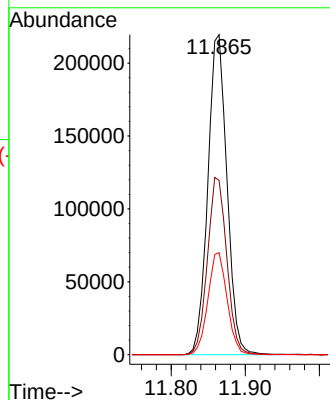
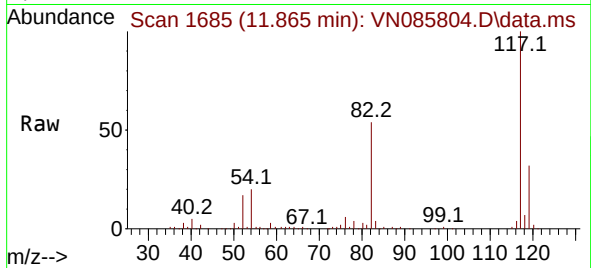




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

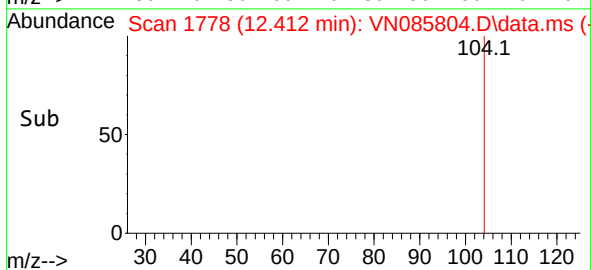
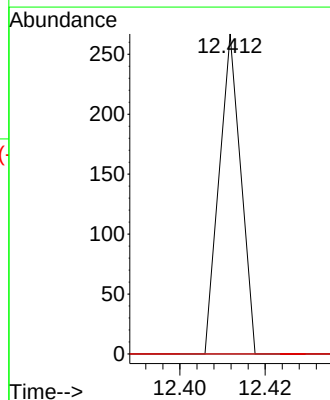
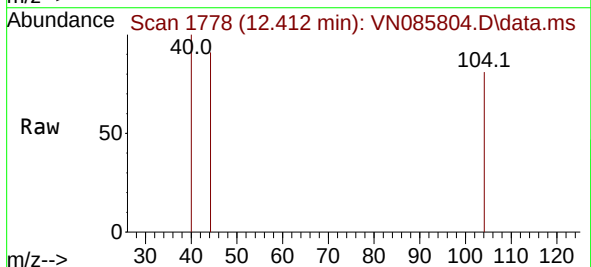
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBL01

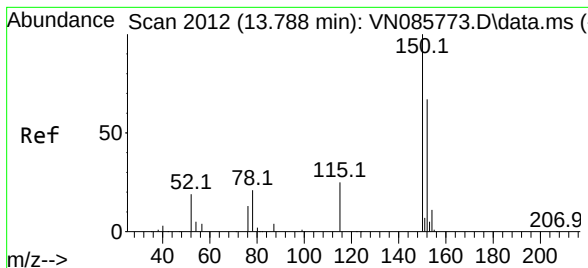
Tgt Ion:117 Resp: 393842
Ion Ratio Lower Upper
117 100
82 54.5 45.7 68.5
119 31.9 26.2 39.2



#70
Styrene
Concen: 0.595 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

Tgt Ion:104 Resp: 94
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085804.D

Acq: 21 Feb 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBL01

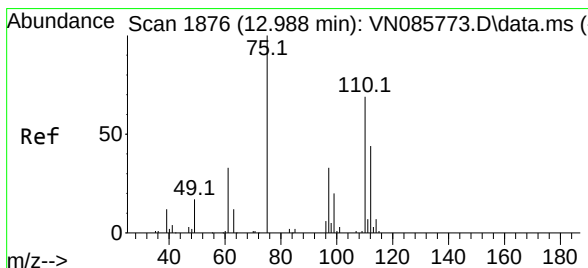
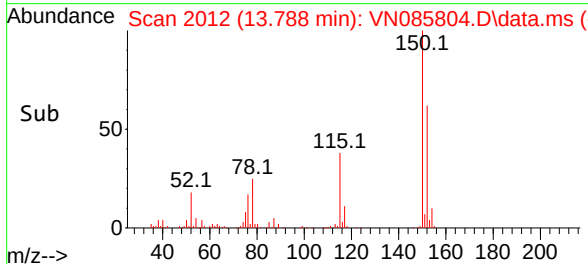
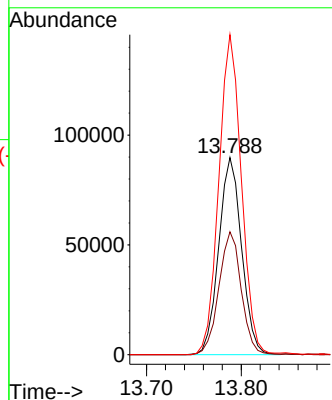
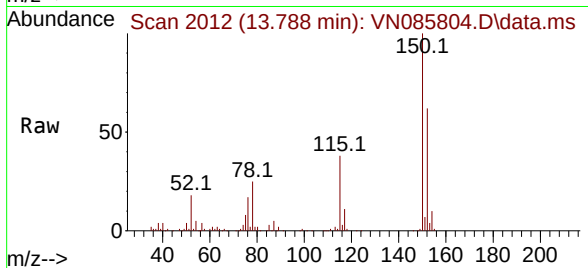
Tgt Ion:152 Resp: 150905

Ion Ratio Lower Upper

152 100

115 60.9 30.4 91.3

150 160.7 0.0 345.4



#76

1,2,3-Trichloropropane

Concen: 22.419 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085804.D

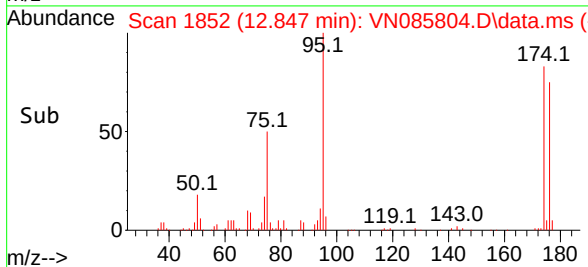
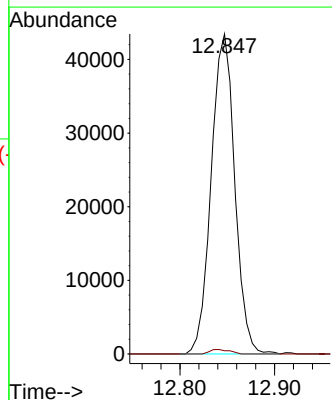
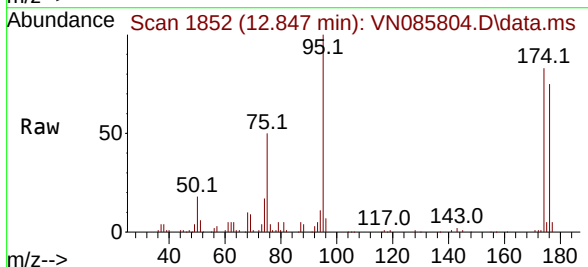
Acq: 21 Feb 2025 15:42

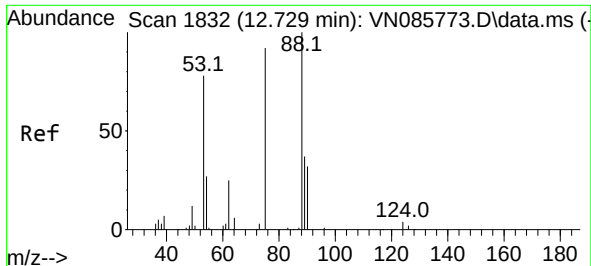
Tgt Ion: 75 Resp: 75152

Ion Ratio Lower Upper

75 100

77 1.2 100.0 300.0#

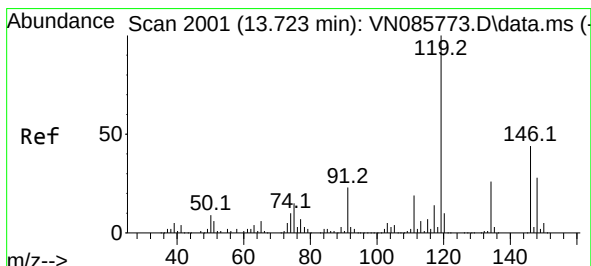
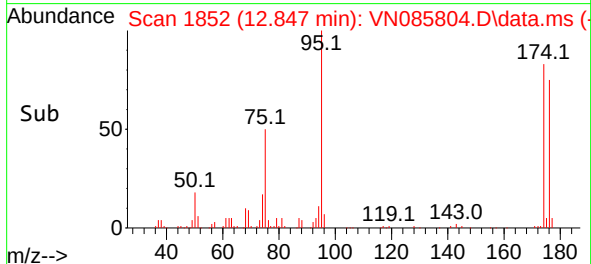
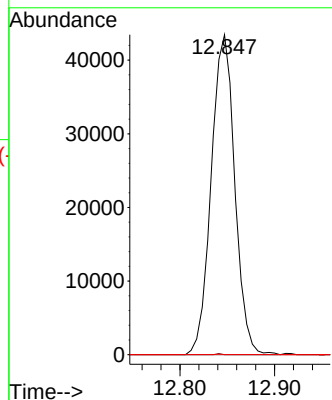
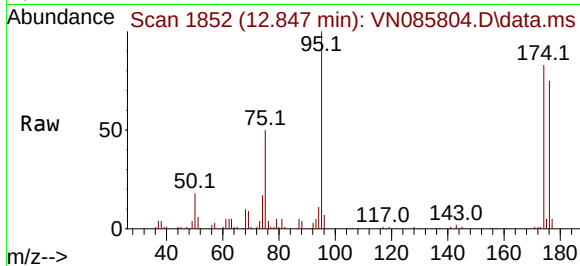




#81
trans-1,4-Dichloro-2-butene
Concen: 65.414 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

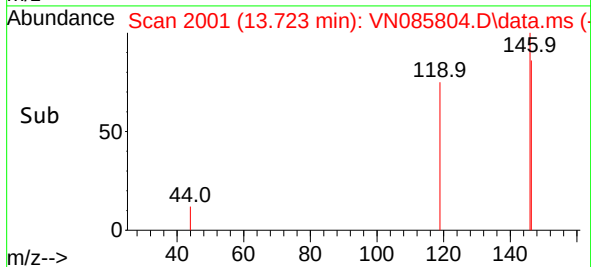
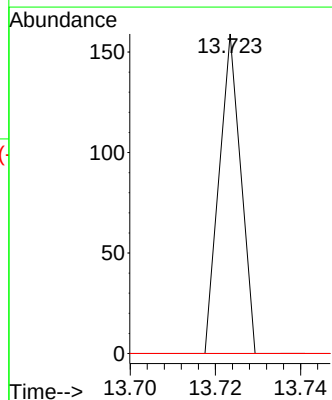
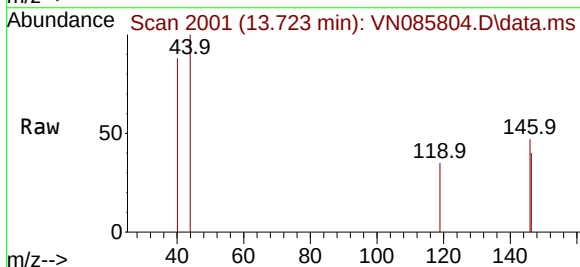
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBL01

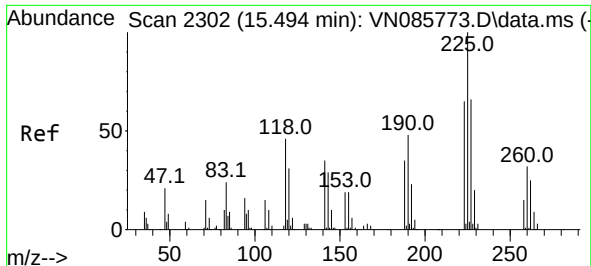
Tgt Ion: 75 Resp: 75152
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#



#86
p-Isopropyltoluene
Concen: 0.632 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

Tgt Ion: 119 Resp: 56
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 11.7 35.1#

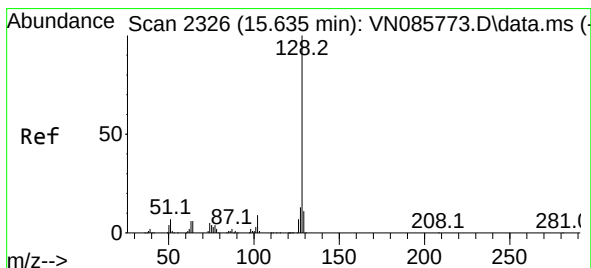
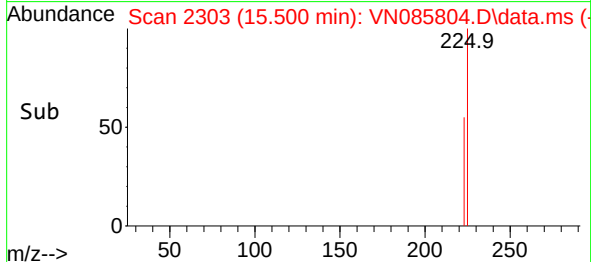
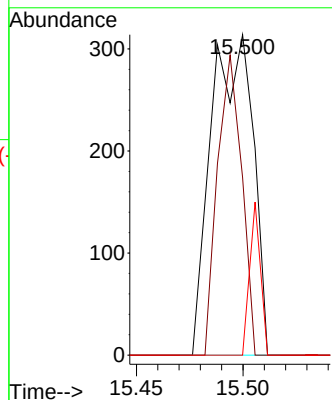
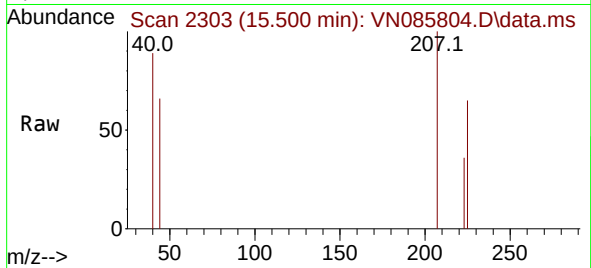




#94
Hexachlorobutadiene
Concen: 0.295 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBL01

Tgt Ion:225 Resp: 430
Ion Ratio Lower Upper
225 100
223 53.7 31.9 95.5
227 12.3 32.2 96.6#



#95
Naphthalene
Concen: 0.298 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085804.D
Acq: 21 Feb 2025 15:42

Tgt Ion:128 Resp: 1962
Ion Ratio Lower Upper
128 100
127 5.8 10.2 15.2#
129 0.0 8.7 13.1#

